

Title (en)  
ULTRASONIC FLOWMETER

Title (de)  
ULTRASCHALLFLUSSMESSER

Title (fr)  
DÉBITMÈTRE À ULTRASONS

Publication  
**EP 3376177 B1 20191120 (EN)**

Application  
**EP 17160814 A 20170314**

Priority  
EP 17160814 A 20170314

Abstract (en)  
[origin: EP3376177A1] The invention is concerned with an ultrasonic flowmeter (1) comprising a measuring tube (20) with a measuring tube wall (21) and at least one pair of housings (22) extending to an outer side of said measuring tube wall (21); a pair of ultrasonic transducers (10) each with a transducing element (14) for generating and/or sensing ultrasonic pulses and a transducer body (13), wherein each of said housings (22) is arranged to house one of said transducers (10), and wherein said housings have an inner first diameter (D1); wherein said transducer body (13) comprises a circumferential surface (12), and wherein said transducer body comprises an end face (11), wherein said end face has a second diameter (D2), wherein said transducer comprises at least one first protrusion (P1) protruding from said circumferential surface (12) into a gap between said transducer body (13) and said housing (20).

IPC 8 full level  
**G01F 1/66** (2006.01)

CPC (source: EP US)  
**G01F 1/662** (2013.01 - EP US); **G01F 1/667** (2013.01 - US); **G01F 1/667** (2013.01 - EP)

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US 2013283930 A1 20131031 - BERBERIG OLIVER [DE]

Cited by  
EP3699556A1

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